

Figure 1

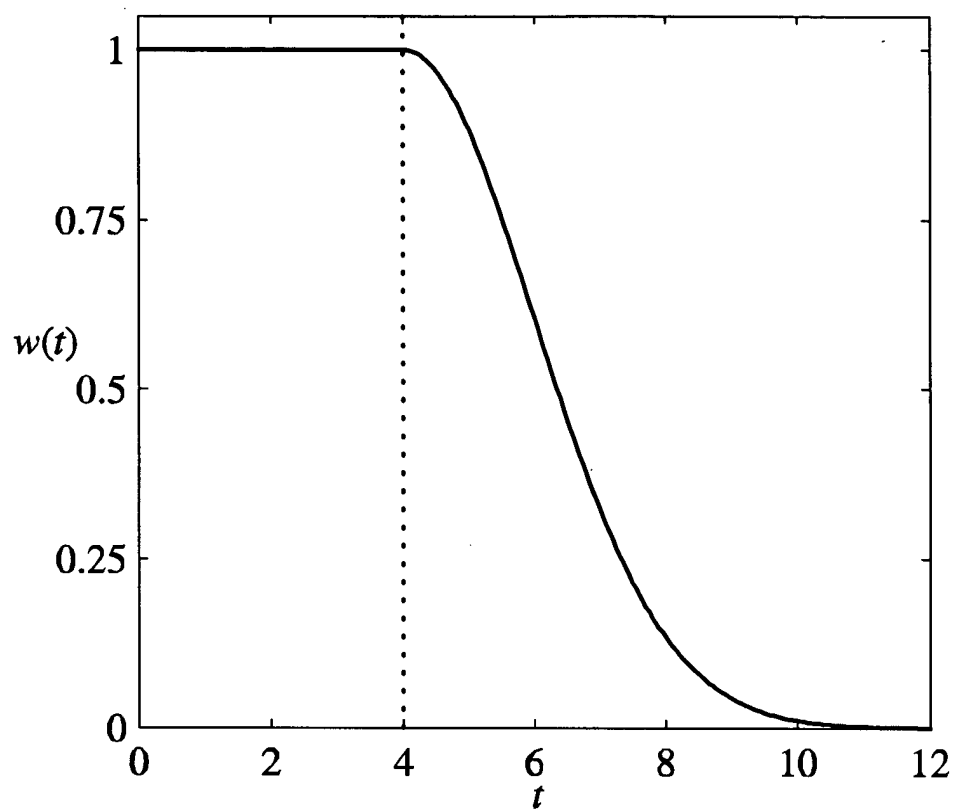


FIGURE 2

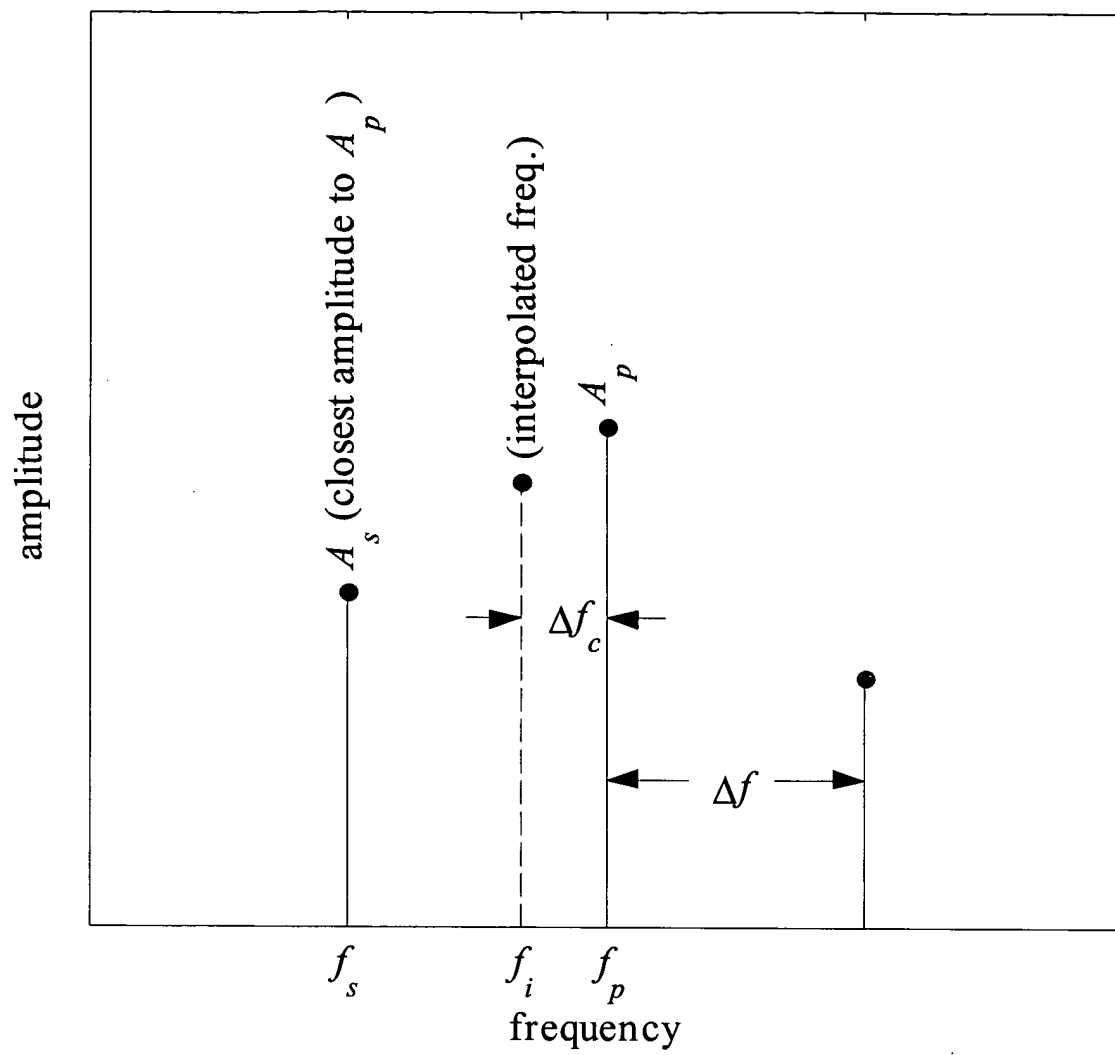


Figure 3

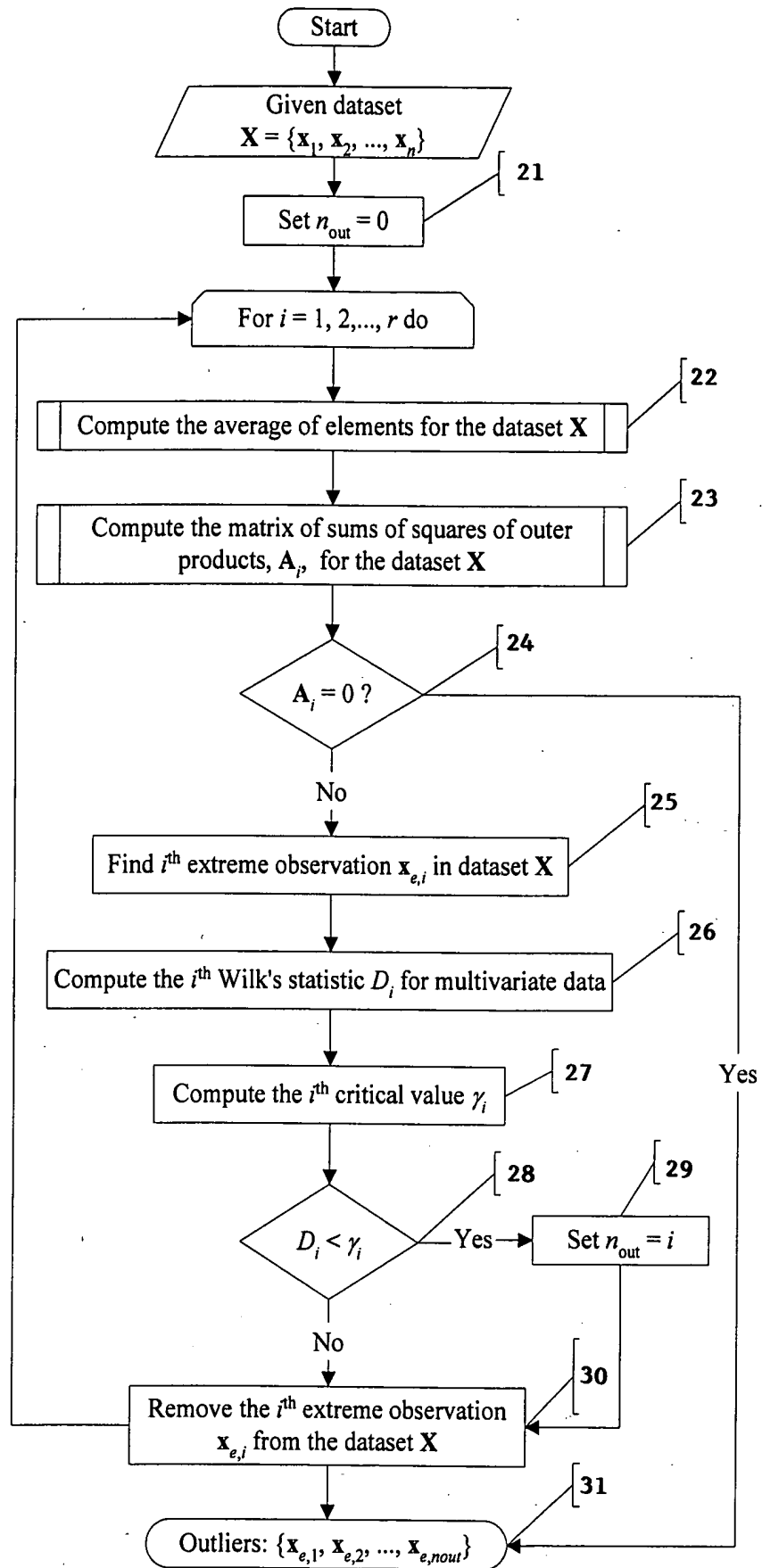


Figure 4

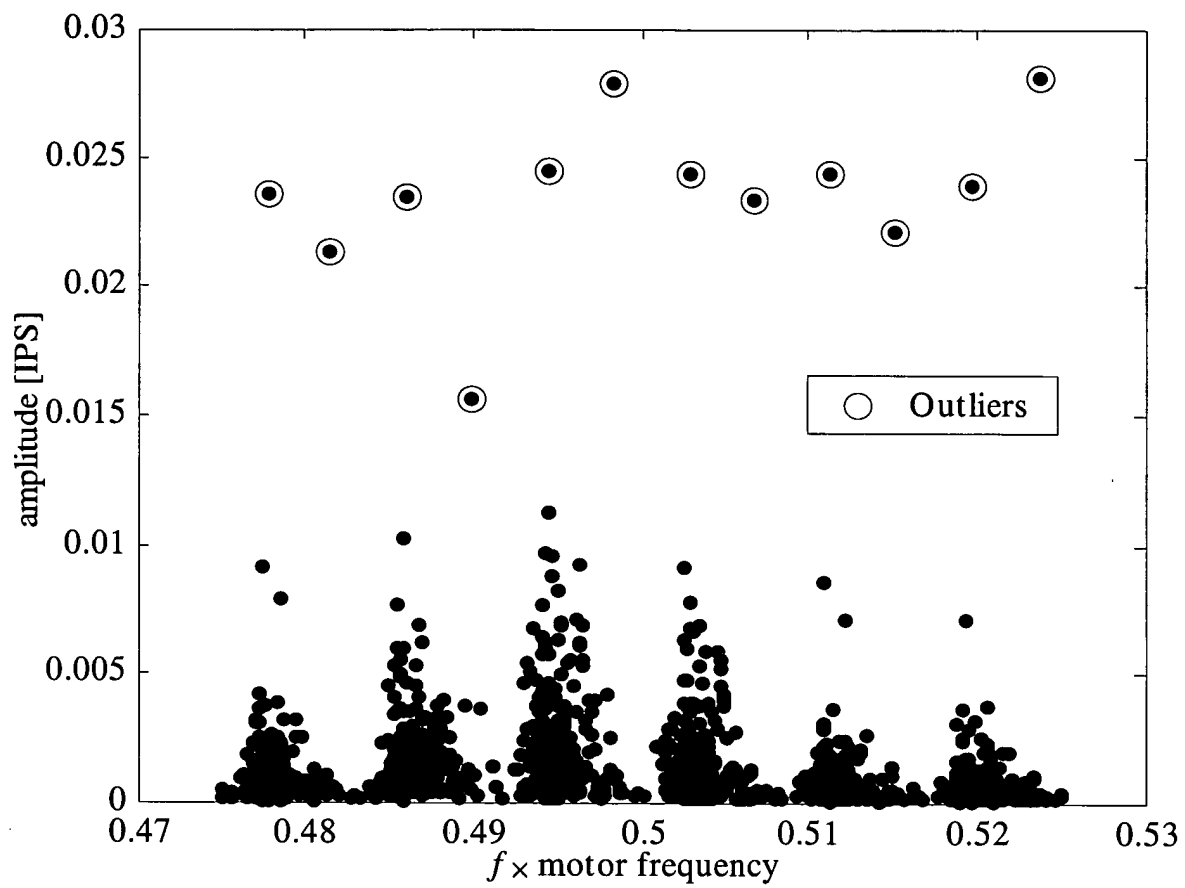
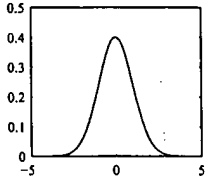
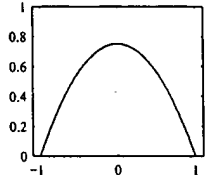
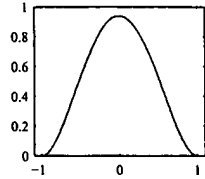
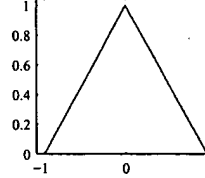
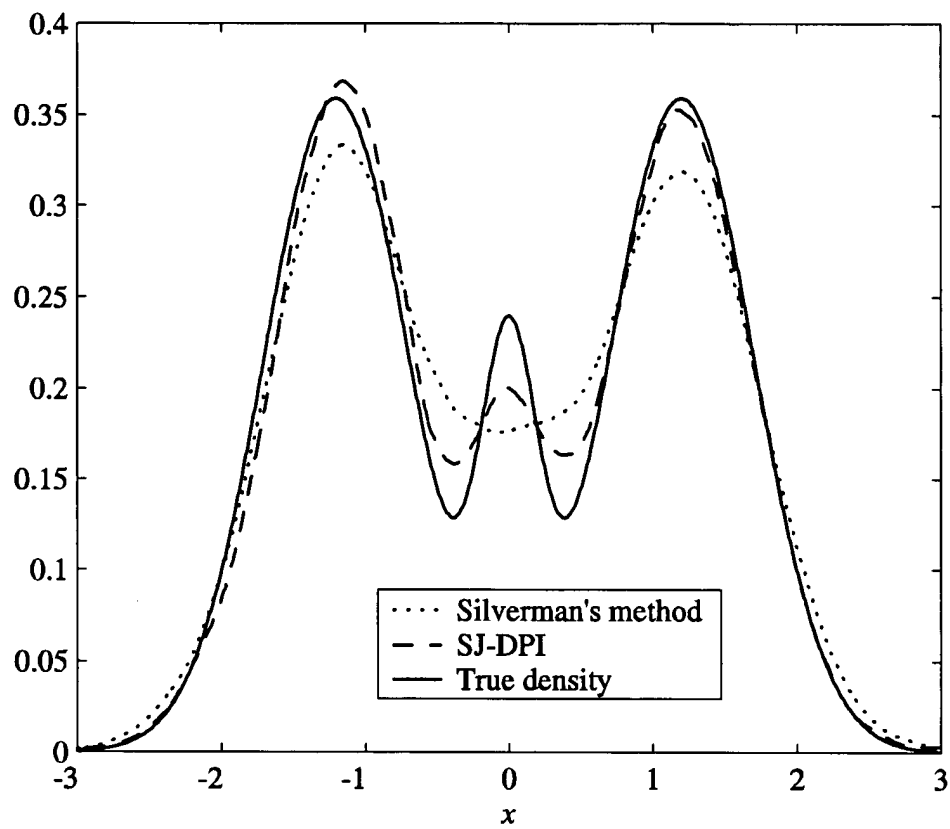


Figure 5

	Kernel name	Definition	Plot
1.	Gaussian	$\kappa(u) = \frac{1}{\sqrt{2\pi}} e^{-u^2/2}$	
2.	Epanechnikov	$\kappa(u) = \frac{3}{4}(1 - u^2) 1_{\{ u  \leq 1\}}$	
3.	Biweight	$\kappa(u) = \frac{15}{16}(1 - u^2)^2 1_{\{ u  \leq 1\}}$	
4.	Triangle	$\kappa(u) = (1 -  u ) 1_{\{ u  \leq 1\}}$	

Note:  $1_{\{|u| \leq 1\}} \triangleq \begin{cases} 1 & \text{if } |u| \leq 1 \\ 0 & \text{otherwise} \end{cases}$

FIGURE 6



**FIGURE 7**

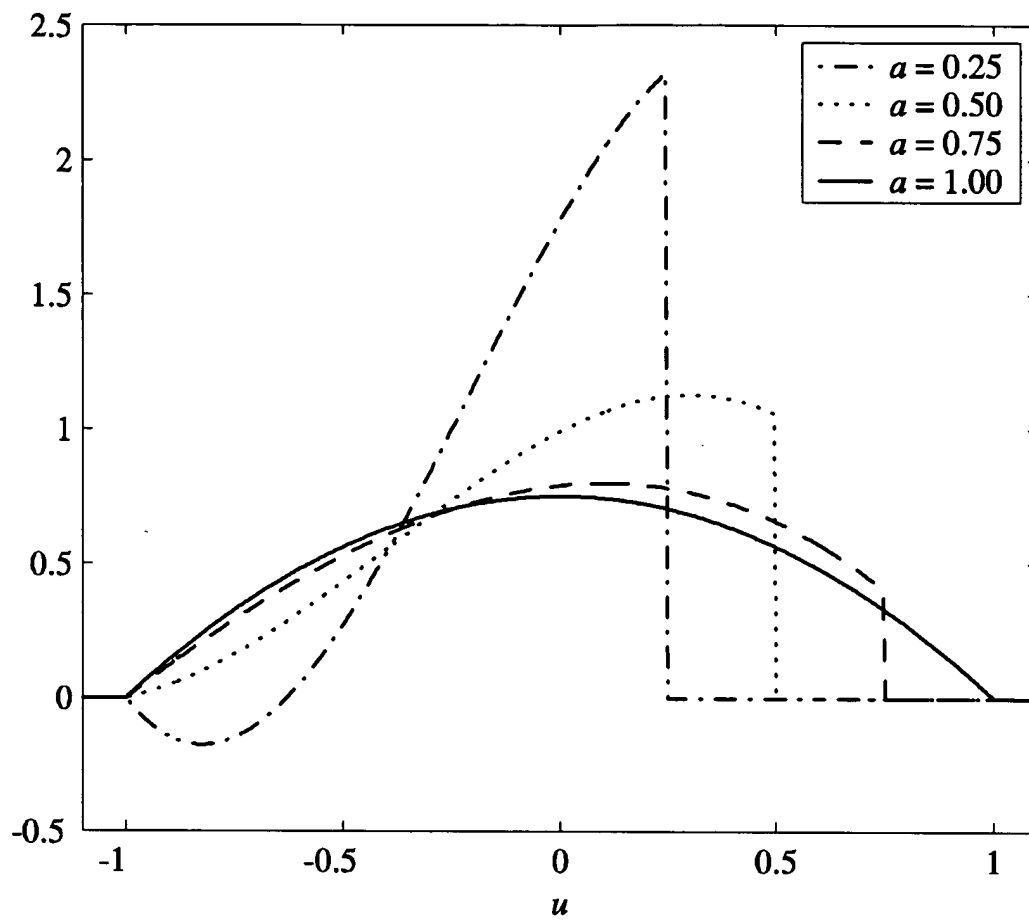


FIGURE 8



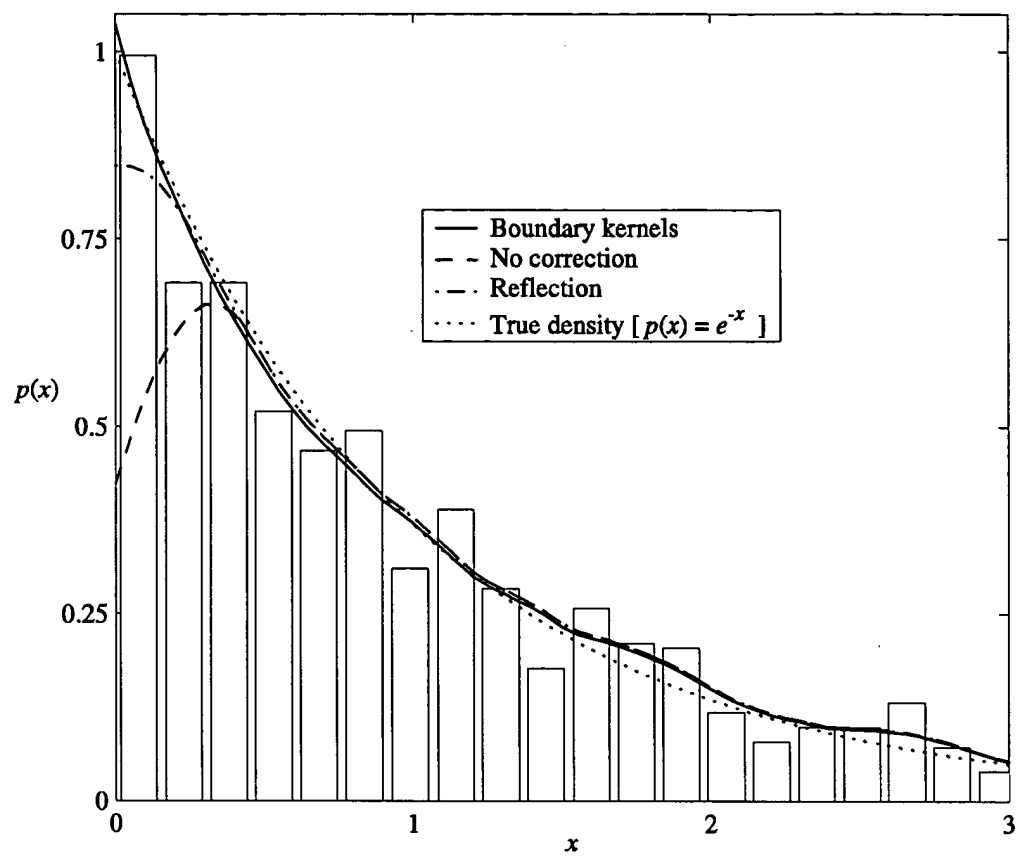


FIGURE 9

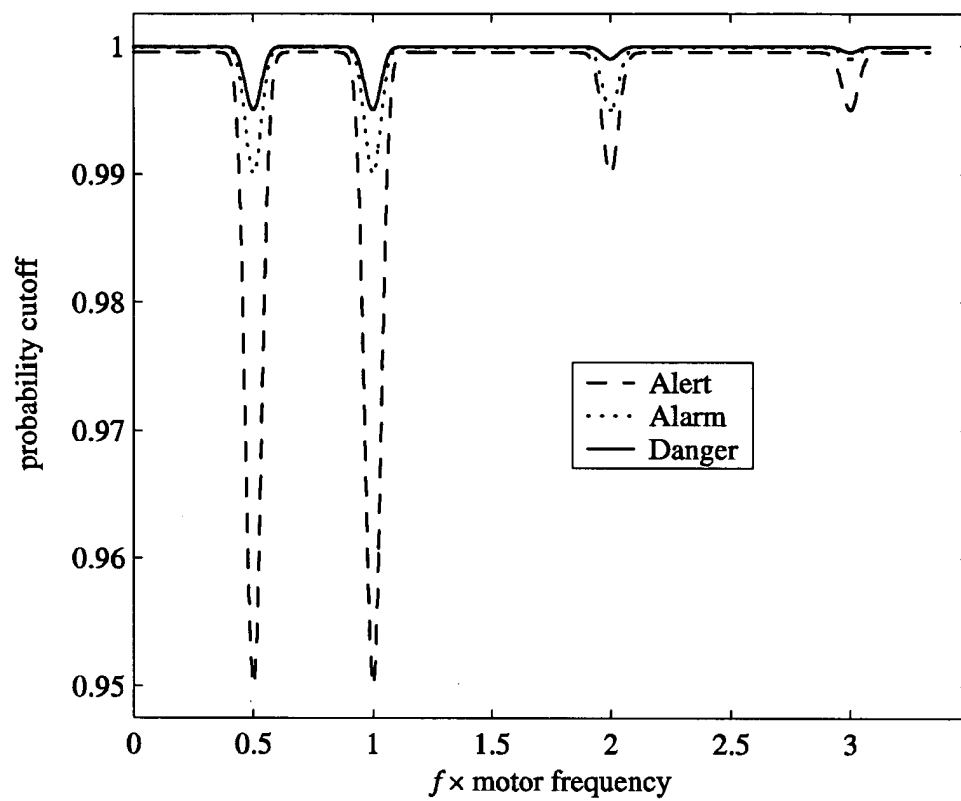


FIGURE 10

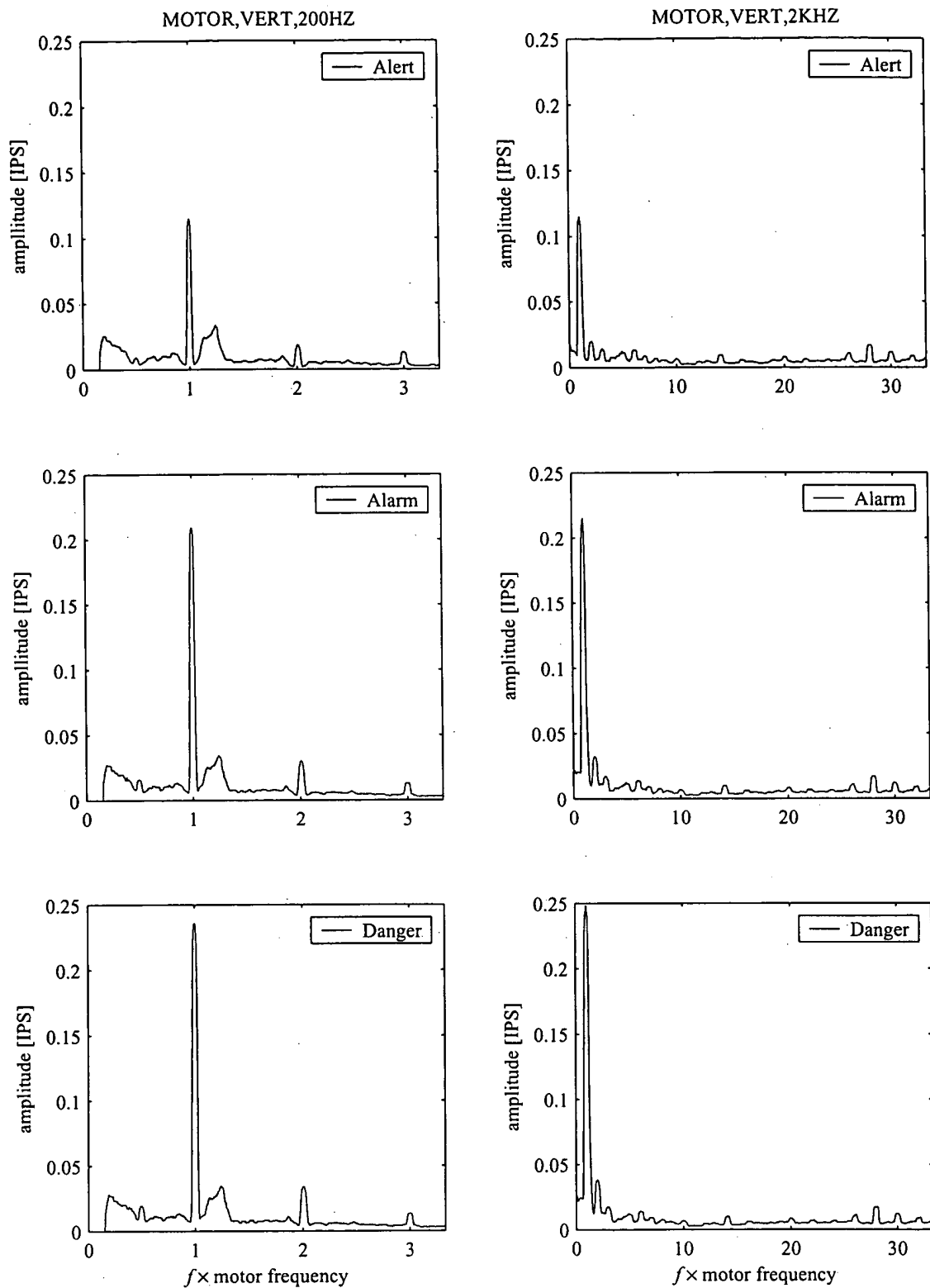


FIGURE 11

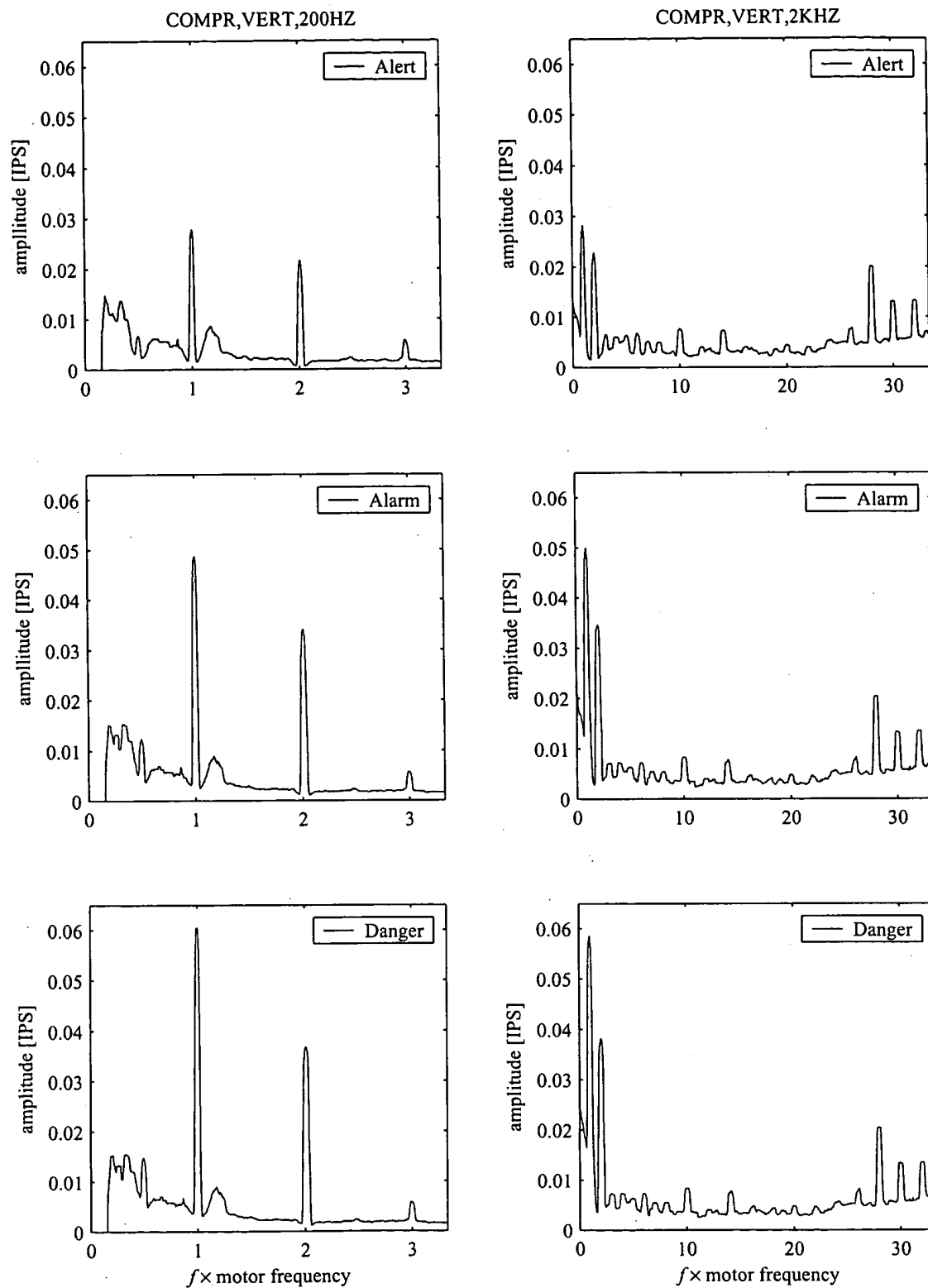


FIGURE 12